



**GentAC**

**Fourth GentAC Thoracic Aortic Summit**  
Washington Capital Hilton  
Washington, DC

**Thursday, September 22, 2016**

7:30 AM: Continental Breakfast

8:00 AM: Opening Remarks

*Kim Eagle, M.D., University of Michigan, Ann Arbor, MI*

**Session 1: Familial Thoracic and Early Onset Aortic Aneurysm and Dissection**

Session Chair: Dianna Milewicz and Peter Byers

8:05 AM Patient Perspective

*Amy Yasbeck*

8:20 AM What are the known mutations for familial thoracic aortic disease and who should be treated?

*Dianna Milewicz, M.D., Ph.D., University of Texas Health Science Center, Houston, TX*

8:40 AM What genetic factors predispose to sporadic, non-familial thoracic aortic aneurysms and dissections?

*Dongchuan Guo, Ph.D., University of Texas Health Science Center, Houston, TX*

9:00 AM How should we decide when to operate on patients with familial aortic disease?

*Himanshu Patel, M.D., University of Michigan, Ann Arbor, MI*

9:20 AM Biomarker correlates of acute aortic dissection

*Toru Suzuki, M.D., Ph.D., University of Leicester, Leicester, United Kingdom*

9:40 AM Top priorities for research in familial and early onset TAAD

Discussion with audience by session chairs

10:00 AM BREAK





**GenTAC**

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**Session 2: Bicuspid Aortic Valve Disease and its Aortopathy**

Session Chairs: Simon Body, Joe Bavaria and Richard Devereux

- 10:10 AM Patient Perspective  
*Reed Pyeritz, M.D., Ph.D., University of Pennsylvania, Philadelphia, PA*
- 10:15 AM Where are we with understanding the genetic underpinnings of bicuspid aortic valve disease and aortopathy?  
*Simon Body, M.D., Ph.D., Brigham and Women's Hospital, Boston, MA*
- 10:35 AM What are the essential elements for planning surgery in bicuspid aortic valve (and aorta) disease?  
*Joseph Bavaria M.D., University of Pennsylvania, Philadelphia, PA*
- 10:55 AM Bicuspid valve hemodynamics and morphology as a marker of thoracic aortic aneurysms size  
*Richard B. Devereux, M.D., Weill Cornell Medical Center, New York, NY*
- 11:15 AM What have we learned from mouse models of BAV?  
*Mona Nemer, Ph.D., University of Ottawa*
- 11:35 AM New Genes and Mechanisms for Thoracic Aortic Aneurysm  
*Hal Dietz, M.D., Johns Hopkins University, Baltimore, MD*
- 11:55 AM Top priorities for research in BAV  
Discussion with audience by session chairs
- 11:55-1:15PM LUNCH BREAK (Attendees on Their Own)

**Session 3: Turner Syndrome**

Session Chairs: Michael Silberbach, Cheryl Maslen, and Siddharth Prakash

- 1:15 PM Patient perspective  
*Hannah Sivley*
- 1:20 PM Genetics of Turner Syndrome Aortopathy: Lessons from GenTAC  
*Cheryl Maslen, Ph.D., Oregon Health & Science University, Portland, OR*
- 1:40 PM Incidence and outcomes of Turner Syndrome Aortopathy: What do we know?  
*Siddharth Prakash, M.D., Ph.D., University of Texas Health Science Center, Houston, TX*
- 2:00 PM Turner Syndrome – Moving the Science and Care Forward  
*G. Michael Silberbach, M.D., Oregon Health & Science University, Portland, OR*
- 2:20 PM Top priorities for research in Turner syndrome  
Discussion with audience by session chairs



**GenTAC** Thursday, September 22, 2016

**Session 4: Marfan Syndrome**

Session Chairs: Mary Roman and Reed Pyeritz

- 2:40 PM Patient Perspective  
*Owen Gray*
- 2:45 PM From Mice to Men (and Women!) – The Latest...  
*Jennifer Habashi, M.D., Johns Hopkins University, Baltimore, MD*
- 3:05 PM Pregnancy in Marfan Women: What do We Really Know?  
*Mary Roman, M.D., Weill Cornell Medical Center, New York, NY*
- 3:25 PM Optimal Medical Treatment and Surveillance  
*Ron Lacro, M.D., Harvard University, Boston, MA*
- 3:45 PM Biomarkers Development – A Rapidly Moving Science  
*Sarah Parker, Ph.D., Cedars-Sinai, Los Angeles, CA*
- 4:05 PM The Current Role of Surgery in Marfan Syndrome  
*Scott LeMaire, M.D., Baylor College of Medicine, Houston, TX*
- 4:25 PM Imaging Lessons from GenTAC - Limits of Aortic Size for Prediction of Dissection Risk  
*Jonathan Weinsaft, M.D., Weill Cornell Medical Center, New York, NY*
- 4:45 PM Top priorities for research in Marfan syndrome  
Discussion with audience by session chairs
- 5:30– 7:00 PM Poster Session and Cocktail Hour (All Attendees Welcome)
- 7:30– 9:30 PM Summit Dinner (Pre-Registered Attendees Only)





**GenTAC** Friday, September 23, 2016

8:00 AM Continental Breakfast

**Session 5: Loeys-Dietz Syndrome**

Session Chairs: Hal Dietz and Jennifer Habashi

8:25 AM Patient Perspective

*Raquel Gomes*

8:30 AM Insights Regarding the Pathogenesis and Treatment of Loeys-Dietz Syndrome

*Elena Gallo-MacFarlane, Ph.D., Johns Hopkins University, Baltimore, MD*

8:50 AM Genotype and Phenotype: The Landscape is Emerging

*Reed Pyeritz, M.D., Ph.D., University of Pennsylvania, Philadelphia, PA*

9:10 AM Arterial Tortuosity: An Imaging Marker

*Shaine A. Morris, M.D., Baylor College of Medicine, Houston, TX*

9:30 AM Surgical Strategies in Loeys-Dietz Arteriopathy – Handle with Care!

*Luca Vricella, M.D., Johns Hopkins University, Baltimore, MD*

9:50 AM Top priorities for research in Loeys-Dietz syndrome

Discussion with audience by session chairs

**Session 6: Ehlers Danlos Syndrome**

Session Chairs: Peter Byers and Sherene Shalhub

10:00 AM Patient Perspective

*Zachary Burger*

10:05 AM From Genotype to Phenotype – Ehlers-Danlos Type IV: State of the Art

*Peter Byers, M.D., University of Washington, Seattle, WA*

10:25 AM Surgical and Interventional Approaches: The Latest

*James H. Black, M.D., Johns Hopkins University, Baltimore, MD*

10:45 AM Top priorities for research in Ehlers Danlos syndrome

Discussion with audience by session chairs

11:00 AM BREAK

**Session 7: GenTAC Reloaded – A Look Back, and Looking Ahead**

Session Chairs: Kim Eagle and Barbara Kroner

11:15 AM NHLBI and GenTAC- What Now?

*Eser Tolunay, Ph.D., National Heart, Lung, and Blood Institute, Bethesda, MD*

11:30 AM Clear and Present Future

*Kim Eagle, M.D., University of Michigan, Ann Arbor, MI*